

LOUIS JOHN DUGHI, JR.  
RUSSELL L. HEWIT  
THOMAS B. LEYHANE  
ROBERT W. DONNELLY, JR.  
MICHAEL J. KEATING  
JEANNE A. TAYLOR  
MARJORIE GILMAN BAKER  
CHARLES M. RADLER, JR.

BRIAN W. HUNKINS  
PATRICIA MASSA BASS  
EILEEN BASS RUDD  
BRIAN M. GINSBURG  
CHRISTOPHER J. CHRISTIE  
MICHAEL P. GUIDO  
NANCY M. RIGASSIO

DUGHI AND HEWIT  
A PROFESSIONAL CORPORATION  
ATTORNEYS AT LAW

February 2, 1989

340 NORTH AVENUE  
CRANFORD, NEW JERSEY 07016  
(201) 272-0200  
TELECOPIER: (201) 272-0909

161 GAITHER DRIVE  
FELLOWSHIP ROAD AND GAITHER DRIVE  
MOUNT LAUREL, NEW JERSEY 08054  
(609) 778-9800  
TELECOPIER: (609) 778-4888

REPLY TO:

Cranford

Ms. Janet Feldstein  
Site Compliance Branch  
United States Environmental  
Protection Agency, Region II  
Room 747  
26 Federal Plaza  
New York, New York 10278

Ms. Beverly Kolenberg, Assistant  
Regional Counsel  
United States Environmental  
Protection Agency, Region II  
Room 437  
26 Federal Plaza  
New York, New York 10278

Re: Congoleum Corporation - Lone Pine Landfill Site  
Our File No.: 1288

Dear Ms. Feldstein and Ms. Kolenberg:

Enclosed is a compilation of data regarding waste disposed of at the Lone Pine Landfill Site by Congoleum Corporation. The compilation contains a description of the waste and lists the date, quantity and type of waste disposed of by Congoleum Corporation during the relevant time period.

The completed Request for Information and one set of source documents will be furnished under separate covers.

Sincerely yours,

DUGHI AND HEWIT

  
Russell L. Hewit

RLH/as  
Enc.

411213



I. GENERAL DISCUSSION OF CONGOLEUM CORPORATION'S  
ACTIVITIES AT THE LONE PINE LANDFILL

The Congoleum Corporation (Congoleum) operates a manufacturing facility in Trenton, New Jersey, where it manufactures resilient flooring products. Congoleum disposed of certain waste materials at the Lone Pine Landfill (Lone Pine or landfill) during the period August 26, 1976 through March 28, 1979. Congoleum waste disposal at Lone Pine has been confirmed through analysis of various documents and interviews of company personnel and its waste hauler.

During the time that Congoleum disposed of waste at Lone Pine, it segregated its waste streams into solids and liquids. Solid wastes of various types were disposed of at the landfill and liquid wastes of various types were disposed of at the Chemical Control Company facility in Elizabeth, New Jersey. In addition, waste water used to clean machine nozzles was also disposed at Lone Pine. Such waste water, however, contained no solvents or hazardous pollutants and is presently disposed of in the Trenton, New Jersey sanitary sewer system with express authorization of appropriate authorities.

Solid wastes and the waste water were hauled to the landfill in 55 gallon drums and 1 and 5 gallon pails. The contents of the drums were emptied at the landfill and the drums returned to Congoleum or recycled for drum repair. The 1 and 5 gallon pails were disposed of at the landfill with their contents.

On at least one occasion, Lone Pine officials advised that the landfill would accept "slush containing resin, varsol and safety solvent mixture." Congoleum refused to dispose of the same at Lone Pine and instructed its hauler to continue to dispose of such wastes at Chemical Control Company in Elizabeth, New Jersey.

Congoleum retained as an independent contractor Giguinto Trucking Company (Giguinto) to segregate and haul its wastes to Lone Pine and Chemical Control Company. Giguinto acted as an independent contractor in performing these responsibilities and was not directly supervised or controlled by Congoleum. Frank Giguinto, principal, has been interviewed on numerous occasions and has confirmed that his waste segregation and disposal practices were in complete conformity with Congoleum's instructions and the above.

Analysis of waste disposed of at Chemical Control Company confirms the segregation of Congoleum's waste streams and disposal of liquid wastes at the hazardous waste disposal facility. Comparative analysis of the waste data at Lone Pine and Congoleum's liquid waste by independent, environmental engineer consultants also confirms that Congoleum's liquid wastes were not disposed at Lone Pine.

## II. TYPE OF CONGOLEUM'S WASTES DISPOSED OF AT THE LONE PINE LANDFILL

The wastes deposited at Lone Pine fall into nine general categories:

1. Dried, caked, pigmented vinyl matrix. Congoleum sold and recycled methyl ethyl ketone (MEK). MEK was part of solutions containing MEK, polyvinyl chloride resins, a variety of pigments including organic reds, yellows and oranges, chrome yellows, molybdate orange, phthalocyanine blue and green, titanium dioxide, carbon black and aluminum powder, and cyclohexanone. The resin and pigments were allowed to settle and the MEK and cyclohexanone were drained. The sludge residue was then dried and hardened into a "cake" of a pigmented, vinyl matrix.
2. Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form. Powder mixes containing polyvinyl chloride resin, a variety of plasticizers including di-alkyl-phthalate, 7-9 alkyl benzyl phthalate, alkyl benzene, butyl benzyl phthalate and epoxidized soya bean oil were used in Congoleum's manufacturing. The stabilizers included mark 666 and mark 4004 (barium zinc organic complexes) and nustab 1420 (calcium zinc organic complex). These powders also contained many of the pigments identified in the dried, caked, pigmented vinyl matrix as well as talc filler, AC-68 polyethylene (polyethylene powder), ackryloid K-120N (an acrylic processing aid) and Hoescht GL-3 wax (a synthetic paraffin wax). These powder mixes spilled in the manufacturing process, became contaminated, and were disposed of. In addition, there were produced post-manufacturing scraps of the same substances in fused, solid plastic vinyl form.
3. Mix of PVC resin, plasticizers, stablizers, fillers, and miscellaneous additives in fused form. These wastes contained the products set forth in the description of the mixes of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives set forth above. However, these wastes were only in fused, solid plastic vinyl form.

4. Rags used to clean manufacturing equipment and plant spills cleaned with absorbing compound. Congoleum used a variety of solvents to clean its manufacturing equipment. The solvent was disposed of as liquid waste, not solid waste. Rags, however, were used to wipe down or clean the machines following flushing with solvent. When the rags were used to clean such equipment, the rags were dried and the soiled rags discarded as solid waste. In addition, spills of various liquids used in the manufacturing process occurred not too infrequently. When these spills occurred, they were cleaned in the same fashion as Congoleum's equipment, or, in the alternative, were absorbed into Hi-Dry absorbing compound. The rags and absorbing compound were dried and disposed of as solid waste. The liquids absorbed in rags or absorbing compound included polyvinyl chloride resin, plasticizers including those set forth above in paragraph 2, fillers such as calcium carbonate (dry ground limestone) and anhydrous sodium potassium aluminum silicate, stabilizers such as barium, zinc, and organic complexes, and miscellaneous ingredients including tetra ethylene glycol, Mark 1413 (2 hydroxy-4-n-octoxybenzophenone) and turgitol 15-S-9 (ethoxylated nomyphenol).
5. Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form (laboratory samples and wastes). Laboratory wastes consisted of containers used to collect samples of production ingredients and final products for analysis and quality control purposes. After performing such tests, the sample containers were disposed of as solid waste.
6. General plant and roadway maintenance. This category included gloves, containers, plastic bags, cloth, paper goods and other scraps and garbage.
7. Production run scraps and waste and plant garbage. Unidentified containers of solid waste may have contained any of the elements set forth in paragraphs 1 through 6 above.
8. Lubricating and/or hydraulic oil spills cleaned with absorbing compound. Lubricating and/or hydraulic oil which was cleaned from Congoleum's machinery or which spilled in the manufacturing process was absorbed into rags or absorbant compound, dried and disposed of as solid waste.

9. Residue from water cleaning process. Congoleum cleaned certain machine nozzles and tools with water. That water was stored and disposed of as non-hazardous liquid waste at Lone Pine. Such water is now disposed of pursuant to express permission from appropriate authorities into the Trenton, New Jersey sanitary sewer system.

III. CHRONOLOGY OF CONGOLEUM'S WASTE  
DISPOSAL AT LONE PINE LANDFILL

ABBREVIATIONS

Containers: D = Drum - 55 gallons  
1GP = 1 Gallon Pail  
5GP = 5 Gallon Pail

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
<u>1976</u>		
08/26	45 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form and general plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
08/30	6 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	34 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscelleous additives in powder or fused form
	16 5GP	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
09/20	6 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	10 5GP	Production run scraps and waste and plant garbage
	6 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	34 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
09/29	13 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	6 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	21 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
10/04	35 D	Production run scraps and waste and plant garbage

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
10/14	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	6 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	14 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in fused form
	16 D	Residue from water cleaning process
10/27	28 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	8 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	16 5GP	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
10/28	33 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	40 5GP	Production run scraps and waste and plant garbage
	3 D	Rags used to clean manufacturing equipment and plant spills cleaned with absorbing compound
11/09	36 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
11/11	40 D	Production run scraps and waste and plant garbage
11/12	40 D	Production run scraps and waste and plant garbage
	16 5GP	Production run scraps and waste and plant garbage
11/17	40 D	Production run scraps and waste and plant garbage
12/06	40 D	Production run scraps and waste and plant garbage
12/14	40 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
12/27	28 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	3 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	74 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
12/30	20 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	10 5GP	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	6 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	12 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
<u>1977</u>		
01/03	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	45 5GP	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
01/13	8 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	32 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
01/24	28 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additjves in fused form
	6 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	10 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
02/07	33 D	Lubricating and/or hydraulic oil spills cleaned with absorbing compound



<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
02/07	40 D	Production run scraps and waste and plant garbage
02/10	40 D	Production run scraps and waste and plant garbage
	44 D	Lubricating and/or hydraulic oil spills cleaned with absorbing compound
03/01	10 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	7 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	32 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
03/04	31 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
03/08	21 D	Residue from water cleaning process
	19 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	5 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
03/15	8 D	Residue from water cleaning process and mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	29 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	11 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
03/31	26 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	19 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	20 5GP	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form, and general plant and roadway maintenance including gloves, containers, plastic bags, and other garbage

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
04/06	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	27 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	10 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	4 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	35 5GP	Production run scraps and waste and plant garbage
05/04	14 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	25 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	2 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
05/12	10 D	Residue from water cleaning process
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	10 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	21 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
05/17	32 D	Rags used to clean manufacturing equipment and plant spills cleaned with absorbing compound
	6 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	6 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
05/23	16 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	8 D	Lubricating and/or hydraulic oil spills cleaned with absorbing compound
05/25	35 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	6 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	25 5GP	Production run scraps and waste and plant garbage
06/08	4 D	Lubricating and/or hydraulic oil spills cleaned with absorbing compound
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	37 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	30 5GP	Production run scraps and waste and plant garbage
06/14	8 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	33 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
06/21	45 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
06/22	27 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	14 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	8 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
07/11	18 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	23 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
07/18	14 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
07/20	48 D	Production run scraps and waste and plant garbage
08/01	45 D	Production run scraps and waste and plant garbage
08/11	14 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	27 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	28 5GP	Production run scraps and waste and plant garbage
08/17	20 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	10 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	15 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
08/25	14 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	6 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	25 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
09/01	2 D	Production run scraps and waste and plant garbage
	14 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	27 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	20 5GP	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
09/07	45 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
09/12	5 D	Containers with small amounts of sample PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	10 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	30 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	30 5GP	Production run scraps and waste and plant garbage
09/19	5 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	30 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	10 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	20 5GP	Production run scraps and waste and plant garbage
09/27	28 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	10 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	7 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
10/07	12 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	2 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	27 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
10/21	16 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	25 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	30 5GP	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	30 D	Production run scraps and waste and plant garbage
10/28	28 D	Dried, caked, pigmented vinyl matrix
	27 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
10/31	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	8 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	18 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	35 5GP	Residue from water cleaning process
11/09	8 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
11/09	4 D	Production run scraps and waste and plant garbage
	27 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	2 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
11/16	39 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	10 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	1 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	30 5GP	Production run scraps and waste and plant garbage
11/21	20 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	8 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	17 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
11/23	45 D	Dried, caked, pigmented vinyl matrix
11/28	28 D	Dried, caked, pigmented vinyl matrix
12/07	12 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	25 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	45 5GP	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
12/09	45 D	Dried, caked, pigmented vinyl matrix
12/15	45 D	Dried, caked, pigmented vinyl matrix

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
12/15	45 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
12/20	19 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	20 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	2 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage

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01/03	45 D	Production run scraps and waste and plant garbage
	45 5GP	Production run scraps and waste and plant garbage
01/09	18 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	17 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	6 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	35 5GP	Production run scraps and waste and plant garbage
01/16	14 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	27 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
01/26	30 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	7 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form



<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
01/26	7 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
01/30	40 D	Production run scraps and waste and plant garbage
02/03	12 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	11 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	18 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
02/09	10 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	24 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	7 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
02/16	12 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	14 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	14 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
02/28	16 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	22 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	7 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
02/28	45 5GP	Production run scraps and waste and plant garbage
03/06	45 D	Production run scraps and waste and plant garbage
	45 5GP	Production run scraps and waste and plant garbage
03/07	8 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	6 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	12 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form and general plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	10 D	Production run scraps and waste and plant garbage
	4 D	Lubricating and/or hydraulic oil spills cleaned with absorbing compound
	80 5GP	Production run scraps and waste and plant garbage
03/15	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	65 1GP	Production run scraps and waste and plant garbage
03/16	6 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	30 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
03/20	12 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	29 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
03/31	8 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	8 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	25 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
03/31	45 D	Production run scraps and waste and plant garbage
04/07	60 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	31 D	Residue from water cleaning process
	70 5GP	Production run scraps and waste and plant garbage
04/10	10 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	30 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
04/20	45 D	Production run scraps and waste and plant garbage
	65 5GP	Production run scraps and waste and plant garbage
04/27	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
04/28	23 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	23 D	Production run scraps and waste and plant garbage
	35 1GP	Production run scraps and waste and plant garbage
05/01	25 D	Lubricating and/or hydraulic oil spills cleaned with absorbing compound
	20 D	Production run scraps and waste and plant garbage

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
05/01	65 1GP	Dried, caked, pigmented vinyl matrix
05/08	4 D	Dried, caked, pigmented vinyl matrix
	35 1GP	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	14 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	4 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	23 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
05/19	45 D	Lubricating and/or hydraulic oil spills cleaned with absorbing compound
	35 5GP	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
06/01	16 D	Dried, caked, pigmented vinyl matrix
	40 5GP	Dried, caked, pigmented vinyl matrix
	16 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	8 D	Lubricating and/or hydraulic oil spills cleaned with absorbing compound
06/12	25 D	Residue from water cleaning process
	5 D	Production run scraps and waste and plant garbage
	5 D	Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form
	15 D	Lubricating and/or hydraulic oil spills cleaned with absorbing compound
	40 5GP	Dried, caked, pigmented vinyl matrix
06/14	45 D	Dried, caked, pigmented vinyl matrix
06/20	45 D	Residue from water cleaning process

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
08/01	24 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	21 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	6 D	Residue from water cleaning process
09/05	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	40 5GP	Dried, caked, pigmented vinyl matrix
09/12	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
09/13	30 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
09/15	82 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
10/03	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	80 5GP	Dried, caked, pigmented vinyl matrix
10/10	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
10/26	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
11/06	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
11/16	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
11/29	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
12/11	18 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	4 D	Dried, caked, pigmented vinyl matrix
	75 1GP	Dried, caked, pigmented vinyl matrix
	23 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
12/27	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	65 5GP	Dried, caked, pigmented vinyl matrix
<u>1979</u>		
01/10	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	50 5GP	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
01/30	45 D	Production run scraps and waste and plant garbage
02/06	45 D	Production run scraps and waste and plant garbage
02/14	22 D	Production run scraps and waste and plant garbage
	12 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	11 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
02/21	12 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	12 D	Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form
	21 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	45 5GP	Dried, caked, pigmented vinyl matrix
03/01	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	50 5GP	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
03/07	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
	45 5GP	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage

<u>DATE</u>	<u>AMOUNT AND CONTAINER</u>	<u>TYPE</u>
03/08	35 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
03/22	45 D	General plant and roadway maintenance including gloves, containers, plastic bags, and other garbage
03/28	45 D	Mix of PVC resins, plasticizers, stablizers, fillers and miscellaneous additives in powder or fused form
	35 5GP	Dried, caked, pigmented vinyl matrix

SUMMARY OF CONGOLEUM WASTE DISPOSED OF  
AT THE LONE PINE LANDFILL

	DRUMS	5GP	1GP
1. Dried, caked, pigmented vinyl matrix.	260	345	140
2. Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form.	1,015	127	35
3. Mix of PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in fused form.	1,121	---	---
4. Rags used to clean manufacturing equipment, and plant spills cleaned with absorbing compound.	35	---	---
5. Containers with small amounts of sample PVC resins, plasticizers, stabilizers, fillers and miscellaneous additives in powder or fused form			
6. General plant and roadway maintenance. including gloves, containers, plastic bags, and other garbage	1,318	190	---
7. Production run scraps and waste and plant garbage.	794	649	100
8. Lubricating and/or hydraulic oil spills cleaned with absorbing compound.	186	---	---
9. Residue from water cleaning process.	154	35	---
	<u>5,136</u>	<u>1,411</u>	<u>275</u>